



Herald Photo/Brian Tregaskis

An unidentified windsurfer prepares to ride the wind at Deer Creek Reservoir Thursday, where the water level continues to drop. Water officials are now discussing ways to protect the various water use interests through the end of the year.

Agreement could be fatal to fish

Water flows from Provo River, Deer Creek could be decreased

By SHEILA SANCHEZ

Herald Staff Writer

PROVO — A 1988 memorandum agreement could considerably decrease or even stop water flows from Provo River and Deer Creek Reservoir if drought conditions prevail.

City officials recently announced Provo River's water flow is already at 30 percent of normal and Deer Creek Reservoir currently has about 70,000

acre-feet of water, alarmingly below its 152,564 acre-feet of water capacity.

Local sportsmen and environmental groups, however, fear the possibility of reducing water flows will endanger the fishery in both water bodies.

Provo River is considered one of Utah's most notable blue-ribbon trout streams.

However, hundreds of farmers depend on it for irrigation as well as thousands of water users struggling with a six-year drought.

According to Provo public works director Merrill Bingham, it is estimated Deer Creek Reservoir's water level will drop to approximately 40,000 acre-feet of water by the end of October.

Located 25 miles east of Utah Valley, the reservoir provides a trout/walleye/perch fishery. Below Provo Canyon, the stream fills Utah Lake, another warm-water fishery that contains walleye, white bass and channel catfish angling.

In 1988, with very little snowpack, water users called for an end to legal contracts guaranteeing a minimum 100 cubic feet per

second flow below Deer Creek Dam. Water engineers were preparing to cut flows by up to 50 percent in December of 1988 and the fish seemed doomed.

However, the threat of a lawsuit temporarily saved the fishery. The sides reached a compromise flow of 85 cubic feet per second flow.

Sportsmen and environmental groups fear the proposed flow reduction would leave brown trout eggs high and dry and kill other trout which depend heavily on brush-bank cover.

The low flows would also

over
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and simple project. With proper use of solar heat storage, you can have cooling well into the evening hours too.

First, you should make some simple do-it-yourself improvements. Extend the roof overhang on the south and west sides of your house. This blocks the summer sun which is high in the sky. The winter sun, which is lower in the sky, still shines over the large overhang on to your walls and in your windows for solar heating.

It is not a difficult task to increase the overhang. Just remove the soffit sheathing and extend the roof rafters or joist. Cover this with roof sheathing and match the old shingle color. Cover the soffit area again and add inlet air vents to the attic.

A do-it-yourself solar chimney is basically a natural whole-house exhaust vent from the ceiling in your home up through the roof. As the portion of the solar chimney extending up past the roof gets warm from the sun, the hot air inside it naturally flows upward and out.

This draws hot air out of your home and pulls cooler air in through the windows. The air inlet can be from a cool well-ventilated crawl space or through windows or doors near the floor. Install screens on both inlet and outlet openings.

A solar chimney has clear glazing (acrylic plastic; glass, etc.) on the south and west sides. A two-foot-square size is ideal because there is less material waste when using inexpensive standard four foot by eight foot lumber and other materials. Seven feet high is a typical size.

Install clear glazing on only the top half of the south side.

Otherwise, since the sun is so high at noon, it will shine down into your room below and actually heat it. Glaze the entire west side of the solar chimney.

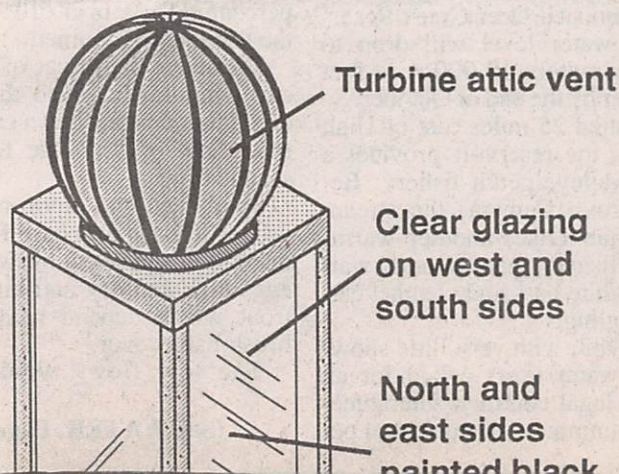
Install foil-faced rigid insulation board on the inside of the plywood north and east sides of the solar chimney. Paint the foil flat black so it becomes an effective solar heat collector when the sun shines in the glazed west or south sides. You can also install an 18-inch turbine attic vent on top of the chimney to improve the draw in windy weather.

You can write to me for Utility Bills Update No. 238 showing do-it-yourself diagrams, instructions, and a required materials list for making a natural ventilating solar chimney. Please include \$1.50 and a self-addressed business-size envelope to James Dulley, 6906 Royalgreen Dr., Cincinnati, Ohio, 45244.

Q — I have a problem with rusty water coming out of my hot water faucets. My electric water heater is only a couple of years old. What is the source of the rust and how can I get it out? R.A.

A — Since your water heater is fairly new and it is glass-lined, it probably is not the source of the rust. The most likely source is one or more of the hot water supply pipes between the water heater and faucets.

Try flushing the pipes to remove the rust. First turn off the power to your water heater. Open all the hot water faucets and allow the water to run for 15 minutes. If this doesn't help, contact your plumber for a more thorough analysis of the problem.



prevent ethnic fighting from spilling into neighboring countries.

"In certain circumstances it could be successful," said Lt. Gen. Oleg B. Shalymov. "The important thing is to stop the fighting, to stop the bloodshed," Shalymov

Nabiyev was elected president in November 1991 with 60 percent of the popular vote. He agreed to a power-sharing agreement with the opposition in July and promised free elections would be held.

But opposition groups say he has

PLANE:

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plane's 9-ton cargo hung from trees.

The Pentagon said two Marine helicopters may have been shot at Thursday while searching for the Italian plane, in the first use of U.S. aircraft over war-torn Bosnia. Officials said Friday that the pilots saw muzzle flashes from small arms but were not certain the shots were aimed at the helicopters.

Italy's defense minister, Salvo Ando, said in Rome he had no formal confirmation the plane was shot down but that that was the most likely explanation. He called it a "criminal action."

Ando said fighter planes should escort transport planes when the airlift resumes. But when asked when flights would start again, Mike Aitchinson, a U.N. official in Zagreb, Croatia, said: "Maybe never."

In New York, Jan Eliasson, head of U.N. humanitarian programs, called it an example of the

"law of the jungle."

"The sad state of affairs is that the people in need are the ones paying the price," Eliasson told reporters. "We have to do something about this."

Izumi Nakamitsu, director of U.N. refugee operations in Sarajevo, said the plane was flying at 7,000 feet, and evidence indicated it exploded in the air.

The search team found a hole in the fuselage and pieces of what could be an anti-aircraft missile, Nakamitsu said.

Loggers Mato Javran and Anto Behrcic told The Associated Press they were chopping wood in a forest when they saw what looked like a rocket hit the plane. They said a wing broke off and the plane began to spin and crashed.

Bosnian President Alija Izetbegovic said "the missiles came from the area controlled by Serbs."

A statement from the leadership of Serb fighters in Bosnia accused Bosnian government troops of downing the plane, thinking it belonged to Serbia's air force. Serbia has been widely accused of aiding Bosnian Serbs.

WATER:

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crowd and stress the fishery, and spawning trout would have a difficult time reproducing and would be vulnerable to fungus diseases.

"We'll see Deer Creek much lower than any of us have ever seen it," Bingham said.

"There's a lot of scrambling going on," Bingham said. "The fish and wildlife interests are very concerned that the river is going to be irreparably damaged this winter

because the reservoir will be in fact below the 50,000 acre-feet.

"The fish and wildlife (people) are pointing their fingers at the utilities saying if we would have had mandatory restrictions all summer we've would have been able to save enough water to provide for the fishery."

Bingham, however, said utility users have already cut down their water use by 20 percent.

Doug Sakaguchi, acting fishery's manager for the central region of the State Division of Wild-

FAMILY:

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her therapist, George says his

embarrassing to have anyone even suspect that I ever touched my daughter. That's incest. That's filth. And people may suspect where there's smoke there's going to be fire and that's what frightens